

Fri Mar 14 14:00:02 2003

us-09-698-781-17.p2n.rnpb

Page 1

GenCore version 5.1.3
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OM protein - nucleic search, using frame_plus_p2n model

Run on: March 14, 2003, 03:03:40 ; Search time 7.92135 Seconds
(without alignments)
797.438 Million cell updates/sec

Title: US-09-698-781-17

Perfect score: 44

Sequence: 1 TLEPVLFL 9

Scoring table:

BLOSUM62
Xgapop 10.0 , Xgapext 0.5
Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 501302 seqs, 350932545 residues

Total number of hits satisfying chosen parameters: 1002604

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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-MAXLEN=2000000000 -USER=US09698781.ecgn.1.1.71.erunat.07032003_083459_5337
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-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database :

Published Applications-NA: *
1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq: *
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3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq: *
4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq: *
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7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq: *
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13: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq: *
14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result	Query	Score	Match	Length	DB	ID	Description
No.							
1	44	100.0	2128	9	US-10-099-570-1		Sequence 1, Appli
2	44	100.0	2128	10	US-09-962-832-257		Sequence 257, App
3	41	93.2	843	9	US-10-228-794-38		Sequence 38, Appl
4	39	88.6	295	10	US-09-864-761-30632		Sequence 30632, A

5	39	88.6	454	10	US-09-864-761-14073		Sequence 14073, A
6	39	88.6	7045	10	US-09-764-877-3794		Sequence 3794, Ap
7	38	86.4	314	10	US-09-983-965-1823		Sequence 1823, Ap
8	38	86.4	1626	9	US-09-764-868-130		Sequence 130, App
9	38	86.4	3487	10	US-09-764-869-1807		Sequence 1807, Ap
10	38	86.4	3487	10	US-09-764-869-1808		Sequence 1808, Ap
11	38	86.4	3487	10	US-09-764-869-1809		Sequence 1809, Ap
12	38	86.4	368004	9	US-09-949-654-3		Sequence 3, Appl1
13	37	84.1	273	9	US-09-954-531-294		Sequence 294, App
14	37	84.1	12566	10	US-09-764-869-2035		Sequence 2035, Ap
15	37	84.1	116592	10	US-09-818-512-3		Sequence 3, Appl1
16	36	81.8	395	10	US-09-867-701-8344		Sequence 8344, Ap
17	36	81.8	556	10	US-09-864-761-8509		Sequence 8509, Ap
18	36	81.8	2478	9	US-09-984-245-90		Sequence 90, Appl
19	36	81.8	2559	9	US-09-911-1768-43		Sequence 43, Appl
20	36	81.8	2559	9	US-10-180-762-43		Sequence 43, Appl
21	36	81.8	2658	10	US-09-847-809A-4		Sequence 4, Appl1
22	36	81.8	2677	10	US-09-070-927A-518		Sequence 518, App
23	36	81.8	3302	10	US-09-920-300A-1740		Sequence 1740, App
24	36	81.8	3302	12	US-10-033-528-1740		Sequence 1740, Ap
25	36	81.8	5459	9	US-10-098-841-311		Sequence 311, App
26	36	81.8	17216	10	US-09-764-877-3565		Sequence 3565, Ap
27	36	81.8	17217	10	US-09-764-877-3566		Sequence 3566, Ap
28	36	81.8	173808	12	US-10-003-806-10		Sequence 10, Appl
29	35	79.5	223	9	US-09-864-761-19841		Sequence 19841, A
30	35	79.5	223	9	US-10-015-219-1086		Sequence 1086, Ap
31	35	79.5	234	10	US-09-777-564-1086		Sequence 1086, Ap
32	35	79.5	254	9	US-08-728-444-35		Sequence 35, Appl
33	35	79.5	301	10	US-09-728-444-15		Sequence 15, App
34	35	79.5	322	10	US-10-040-739-405		Sequence 405, App
35	35	79.5	335	10	US-09-960-352-7208		Sequence 7208, Ap
36	35	79.5	335	10	US-09-960-352-198		Sequence 198, App
37	35	79.5	368	10	US-09-960-352-5552		Sequence 5552, Ap
38	35	79.5	369	9	US-09-796-692-5515		Sequence 6515, Ap
39	35	79.5	396	9	US-09-796-692-5995		Sequence 3995, Ap
40	35	79.5	396	9	US-09-796-692-5666		Sequence 5666, Ap
41	35	79.5	399	10	US-09-960-352-5552		Sequence 5552, Ap
42	42	79.5	404	9	US-09-796-692-5532		Sequence 5532, Ap
43	35	79.5	406	9	US-09-796-692-411		Sequence 411, App
44	35	79.5	406	9	US-09-796-692-5500		Sequence 5500, Ap
45	35	79.5	406	9	US-09-796-692-5506		Sequence 5506, Ap

ALIGNMENTS

RESULT 1
US-10-099-570-1
: Sequence 1, Application US/10099570
: Publication No. US20030027178A1
GENERAL INFORMATION:
: APPLICANT: Vasmataz, George
: APPLICANT: Kosari, Farhad
: APPLICANT: Asmann, Yan
: APPLICANT: Cheville, John
: TITLE OF INVENTION: Methods and Kits for Determining a
: FILE REFERENCE: 07039-275001
: CURRENT APPLICATION NUMBER: US/10/099,570
: CURRENT FILING DATE: 2002-03-15
: PRIOR APPLICATION NUMBER: US 60/276,523
: NUMBER OF SEQ ID NOS: 20
: SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 1
LENGTH: 2128
TYPE: DNA
ORGANISM: Homo sapiens
US-10-099-570-1
Alignment Scores: 29
Pred. No.: 44.00
Score: 100.00%
Matches: 9
Conservative: 0
Length: 2128

Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-698-781-17 (1-9) x US-10-099-570-1 (1-2128)

Oy 1 ThleupheProvalleupheleu 9
DB 19 ACATTATCCAGTGTGTCTCTG 45

RESULT 2

US-09-962-832-257
Sequence 257, Application US/09962832
Patent No. US20020110821A1
GENERAL INFORMATION:
APPLICANT: Ebnert, Reinhard
TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu
FILE REFERENCE: 689290-74
CURRENT FILING DATE: 2001-09-25
PRIOR FILING DATE: 2000-09-25
PRIOR APPLICATION NUMBER: US/60/235,077
PRIOR FILING DATE: 2000-09-25
PRIOR APPLICATION NUMBER: US/60/235,280
NUMBER OF SEQ ID NOS: 259
SOFTWARE: PatentIn version 3.0
SEQ ID NO 257
LENGTH: 2128
TYPE: DNA
ORGANISM: Homo sapiens
US-09-962-832-257

Alignment Scores:

Pred. No.: 29 Length: 2128
Score: 44.00 Matches: 9
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0

US-09-698-781-17 (1-9) x US-09-962-832-257 (1-2128)

Oy 1 ThleupheProvalleupheleu 9
DB 19 ACATTATCCAGTGTGTCTCTG 45

RESULT 3

US-10-228-794-38/C
Sequence 38, Application US/10228794
Publication No. US20030027198A1
GENERAL INFORMATION:
APPLICANT: VANDERBILT UNIVERSITY
305 Kirkland Hall
Nashville, TN 37240
TITLE OF INVENTION: MAMMALIAN GENES INVOLVED IN VIRAL
INFECTION
NUMBER OF SEQUENCES: 83
CORRESPONDENCE ADDRESS:
ADDRESSEE: Needle & Rosenberg, P.C.
STREET: 127 Peachtree Street, Suite 1200
CITY: Atlanta
STATE: Georgia
COUNTRY: USA
ZIP: 30303-1811
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/228,794
FILING DATE: 27-Aug-2002

CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/171,209
FILING DATE: 08-Mar-1999
APPLICATION NUMBER: PCT/US97/06067
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Selby, Elizabeth
REGISTRATION NUMBER: 38,298
REFERENCE/DOCKET NUMBER: 22000,0061/P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 404 688 0770
TELEFAX: 404 688 9880
INFORMATION FOR SEQ ID NO: 38:

SEQUENCE CHARACTERISTICS:
LENGTH: 843 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 38:
US-10-228-794-38

Alignment Scores:

Pred. No.: 36.8 Length: 843
Score: 41.00 Matches: 8
Percent Similarity: 100.00% Conservative: 1
Best Local Similarity: 88.89% Mismatches: 0
Query Match: 93.18% Indels: 0
DB: 9 Gaps: 0

US-09-698-781-17 (1-9) x US-10-228-794-38 (1-843)

Oy 1 ThleupheProvalleupheleu 9
DB 434 ACAGTGTCTCTGTCCTTTCTT 408

RESULT 4
US-09-864-761-30632
Sequence 30632, Application US/09864761
Patent No. US20020048763A1
GENERAL INFORMATION:
APPLICANT: Penn, Sharon G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David R.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FO
FILE REFERENCE: Aeomica-X-1
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: GB 24263,6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30

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: PRIOR APPLICATION NUMBER: PCT/US01/00663
: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: PCT/US01/00662
: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: PCT/US01/00661
: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: PCT/US01/00670
: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: US 60/234,687
: PRIOR FILING DATE: 2000-09-21
: PRIOR APPLICATION NUMBER: US 09/608,408
: PRIOR FILING DATE: 2000-06-30
: PRIOR APPLICATION NUMBER: US 09/774,203
: PRIOR FILING DATE: 2001-01-29
: NUMBER OF SEQ ID NOS: 49117
: SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
: SEQ ID NO 30632
: LENGTH: 295
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: OTHER INFORMATION: MAP TO AL035696.14
: OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 0.63
: OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.71
: OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.92
: OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.69
: OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.57
: OTHER INFORMATION: NT HIT: AL163204.2, EVALUATE 4.00e-36
: OTHER INFORMATION: SWISSPROT HIT: P40957, EVALUATE 8.00e-03
: OTHER INFORMATION: EST_HUMAN HIT: AF109301.1, EVALUATE 1.00e-27
: US-09-864-761-30632

Alignment Scores:
Pred. No.: 26.4 Length: 295
Score: 39.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 88.64% Indels: 0
DB: 10 Gaps: 0

US-09-698-761-17 (1-9) x US-09-864-761-30632 (1-295)
Qy 2 LeuphProvalleuLeuphLeu 9
Db 42 CTAATTCCTGCTCTCTCTTCTT 65

RESULT 5
: US-09-864-761-14073
: Sequence 14073, Application US/09864761
: Patent No. US20020048763A1
: GENERAL INFORMATION:
: APPLICANT: Penn. Sharon G.
: APPLICANT: Rank, David R.
: APPLICANT: Hanzel, David K.
: APPLICANT: Chen, Wensheng
: TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
: FILE REFERENCE: Aecm1ca-X-1
: CURRENT APPLICATION NUMBER: US/09/864,761
: CURRENT FILING DATE: 2001-05-23
: PRIOR APPLICATION NUMBER: US 60/180,312
: PRIOR FILING DATE: 2000-02-04
: PRIOR APPLICATION NUMBER: US 60/207,456
: PRIOR FILING DATE: 2000-05-26
: PRIOR APPLICATION NUMBER: US 09/632,366
: PRIOR FILING DATE: 2000-08-03
: PRIOR APPLICATION NUMBER: GB 24263,6
: PRIOR FILING DATE: 2000-10-04
: PRIOR APPLICATION NUMBER: US 60/236,359
: PRIOR FILING DATE: 2000-09-27
: PRIOR APPLICATION NUMBER: PCT/US01/00666
: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: PCT/US01/00667

US-09-698-761-17 (1-9) x US-09-864-761-14073 (1-454)
Qy 2 LeuphProvalleuLeuphLeu 9
Db 341 CTAATTCCTGCTCTCTCTTCTT 364

RESULT 6
: US-09-764-877-3794/c
: Sequence 3794, Application US/09764877
: Patent No. US20020147140A1
: GENERAL INFORMATION:
: APPLICANT: Rosen et al.
: TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
: FILE REFERENCE: PC005
: CURRENT APPLICATION NUMBER: US/09/764,877
: CURRENT FILING DATE: 2001-01-17
: Prior application data removed - refer to PALM or file wrapper
: NUMBER OF SEQ ID NOS: 4031
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 3794
: LENGTH: 7045
: TYPE: DNA
: ORGANISM: Homo sapiens
: US-09-764-877-3794

Alignment Scores:
Pred. No.: 977 Length: 7045
Score: 43.1 Length: 454
Percent Similarity: 39.00 Matches: 8
Best Local Similarity: 100.00% Conservative: 0
Query Match: 88.64% Indels: 0
DB: 10 Gaps: 0
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Score: 39.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 88.64% Indels: 0
DB: 10 Gaps: 0

US-09-698-781-17 (1-9) x US-09-764-877-3794 (1-7045)

Qy 2 1ThleupheProvalleuPheleu 9
Db 4643 CTCCTCCAGTCTGCTGTTGCTTA 4620

RESULT 7
US-09-983-965-1823/C
; Sequence 1823, Application US/09983965
; Patent No. US20020137160A1
; GENERAL INFORMATION:
; APPLICANT: Warren, Wesley C.
; APPLICANT: Tao, Nengping
; APPLICANT: Byatt, John C.
; APPLICANT: Mathialagan, Nagappan
; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
; FILE REFERENCE: 37-21(10297)C
; CURRENT APPLICATION NUMBER: US/09/983,965
; CURRENT FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: US 09/465,231
; PRIOR FILING DATE: 1999-12-15
; PRIOR APPLICATION NUMBER: US 60/113,678
; PRIOR FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 5912
; SEQ ID NO 1823
; LENGTH: 314
; TYPE: DNA
; ORGANISM: Bos taurus
; FEATURE:
; OTHER INFORMATION: Clone ID: 03-LIB3057-007-01-R1-A3
US-09-983-965-1823

Alignment Scores:
Pred. No.: 43.6 Length: 314
Score: 38.00 Matches: 7
Percent Similarity: 100.00% Conservative: 2
Best Local Similarity: 77.78% Mismatches: 0
Query Match: 86.36% Indels: 0
DB: 10 Gaps: 0

US-09-698-781-17 (1-9) x US-09-983-965-1823 (1-314)

Qy 1 1ThleupheProvalleuPheleu 9
Db 100 ACCTGTTCCTGCTGCTGCTGTTG 74

RESULT 8
US-09-764-868-130/C
; Sequence 130, Application US/09764868
; Patent No. US2002016871A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT232
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 130
; LENGTH: 1626
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (94)

; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (1268)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (1274)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (1448)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (1583)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (1604)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-764-868-130

Alignment Scores:
Pred. No.: 283 Length: 1626
Score: 38.00 Matches: 7
Percent Similarity: 100.00% Conservative: 2
Best Local Similarity: 77.78% Mismatches: 0
Query Match: 86.36% Indels: 0
DB: 9 Gaps: 0

US-09-698-781-17 (1-9) x US-09-764-868-130 (1-1626)

Qy 1 1ThleupheProvalleuPheleu 9
Db 1152 ACCTGTTCCTGCTGCTGCTGTTG 1126

RESULT 9
US-09-764-869-1807/C
; Sequence 1807, Application US/09764869
; Patent No. US2002061521A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC007
; CURRENT APPLICATION NUMBER: US/09/764,869
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 2442
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1807
; LENGTH: 3487
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-869-1807

Alignment Scores:
Pred. No.: 675 Length: 3487
Score: 38.00 Matches: 7
Percent Similarity: 100.00% Conservative: 2
Best Local Similarity: 77.78% Mismatches: 0
Query Match: 86.36% Indels: 0
DB: 10 Gaps: 0

US-09-698-781-17 (1-9) x US-09-764-869-1807 (1-3487)

Qy 1 1ThleupheProvalleuPheleu 9
Db 1617 ACCTGTTCCTGCTGCTGCTGTTG 1591

RESULT 10
US-09-764-869-1808/C
; Sequence 1808, Application US/09764869
; Patent No. US2002061521A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC007

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; CURRENT APPLICATION NUMBER: US/09/764,869
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 2442
; SOFTWARE: Patentn Ver. 2.0
; SEQ ID NO: 1808
; LENGTH: 3487
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-869-1808

Alignment Scores:
Pred. No.: 675      Length: 3487
Score: 38.00      Matches: 7
Percent Similarity: 100.00%      Conservative: 2
Best Local Similarity: 77.78%      Mismatches: 0
Query Match: 86.36%      Indels: 0
DB: 10      Gaps: 0

US-09-698-781-17 (1-9) x US-09-764-869-1808 (1-3487)

Oy 1 Thleupheprovalleupheleu 9
Db 1617 ACCTGTTCTCTGCTGCTGTTGTG 1591

RESULT 11
US-09-764-869-1809/C
; Sequence 1809, Application US/09764869
; Patent No. US20020061521A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC007
; CURRENT APPLICATION NUMBER: US/09/764,869
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 2442
; SOFTWARE: Patentn Ver. 2.0
; SEQ ID NO: 1809
; LENGTH: 3487
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-869-1809

Alignment Scores:
Pred. No.: 675      Length: 3487
Score: 38.00      Matches: 7
Percent Similarity: 100.00%      Conservative: 2
Best Local Similarity: 77.78%      Mismatches: 0
Query Match: 86.36%      Indels: 0
DB: 10      Gaps: 0

US-09-698-781-17 (1-9) x US-09-764-869-1809 (1-3487)

Oy 1 Thleupheprovalleupheleu 9
Db 1617 ACCTGTTCTCTGCTGCTGTTGTG 1591

RESULT 12
US-09-949-654-3/C
; Sequence 3, Application US/09949654
; Patent No. US20020127644A1
; GENERAL INFORMATION:
; APPLICANT: TAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,
; FILE REFERENCE: CLO00817
; CURRENT APPLICATION NUMBER: US/09/949,654
; CURRENT FILING DATE: 2001-09-12
; PRIOR APPLICATION NUMBER: 60/231,572
; PRIOR FILING DATE: 2000-09-11
; NUMBER OF SEQ ID NOS: 5
```

```
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 3
; LENGTH: 368004
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc-feature
; LOCATION: (1)...(368004)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-654-3

Alignment Scores:
Pred. No.: 1,27e+05      Length: 368004
Score: 38.00      Matches: 7
Percent Similarity: 100.00%      Conservative: 1
Best Local Similarity: 87.50%      Mismatches: 0
Query Match: 86.36%      Indels: 0
DB: 10      Gaps: 0

US-09-698-781-17 (1-9) x US-09-949-654-3 (1-368004)

Oy 1 Thleupheprovalleuphe 8
Db 18218 ACACCTTTCCTGTAATGCTGTC 18195

RESULT 13
US-09-954-531-294/C
; Sequence 294, Application US/09954531
; Patent No. US20020165180A1
; GENERAL INFORMATION:
; APPLICANT: Weaver, Zoe
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using (
; FILE REFERENCE: 689290-77
; CURRENT APPLICATION NUMBER: US/09/954,531
; CURRENT FILING DATE: 2002-05-02
; PRIOR APPLICATION NUMBER: US/60/233,133
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US/60/234,009
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,034
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,509
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: US/60/234,567
; PRIOR FILING DATE: 2000-09-22
; NUMBER OF SEQ ID NOS: 1392
; SOFTWARE: Patentn version 3.0
; SEQ ID NO: 294
; LENGTH: 273
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-954-531-294

Alignment Scores:
Pred. No.: 57.2      Length: 273
Score: 37.00      Matches: 7
Percent Similarity: 100.00%      Conservative: 1
Best Local Similarity: 87.50%      Mismatches: 0
Query Match: 84.09%      Indels: 0
DB: 9      Gaps: 0

US-09-698-781-17 (1-9) x US-09-954-531-294 (1-273)

Oy 2 Leupheprovalleupheleu 9
Db 255 CTTTCCTGCTTACTTTTATA 232

RESULT 14
US-09-764-869-2035
; Sequence 2035, Application US/09764869
; Patent No. US20020061521A1
; GENERAL INFORMATION:
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: APPLICANT: Rosen et al.
: TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
: FILE REFERENCE: PC007
: CURRENT APPLICATION NUMBER: US/09/764,869
: CURRENT FILING DATE: 2001-01-17
: Prior application data removed - refer to PALM or file wrapper
: NUMBER OF SEQ ID NOS: 2442
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 2035
: LENGTH: 12566
: TYPE: DNA
: ORGANISM: Homo sapiens
US-09-764-869-2035

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Alignment Scores:

Pred. No.:	4.47e+03	Length:	12566
Score:	37.00	Matches:	7
Percent Similarity:	100.00%	Conservative:	1
Best Local Similarity:	87.50%	Mismatches:	0
Query Match:	84.09%	Indels:	0
DB:	10	Gaps:	0

US-09-698-781-17 (1-9) x US-09-764-869-2035 (1-12566)

OY 2 LeupheProvaIIeuLeupheIeu 9

Db 4934 CTTTCTCTGTTTACTTTTATA 4957

RESULT 15

```

US-09-818-512-3
: Sequence 3, Application US/09818512
: Patent No. US20020142416A1
: GENERAL INFORMATION:
: APPLICANT: BEASLEY, Ellen et al.
: TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC
: TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES
: FILE REFERENCE: C1001192
: CURRENT APPLICATION NUMBER: US/09/818,512
: CURRENT FILING DATE: 2001-03-28
: NUMBER OF SEQ ID NOS: 4
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 3
: LENGTH: 116592
: TYPE: DNA
: ORGANISM: Human
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: (1)...(116592)
: OTHER INFORMATION: n = A,T,C or G
US-09-818-512-3

```

Alignment Scores:

Pred. No.:	5.49e+04	Length:	116592
Score:	37.00	Matches:	7
Percent Similarity:	88.89%	Conservative:	1
Best Local Similarity:	77.78%	Mismatches:	0
Query Match:	84.09%	Indels:	0
DB:	10	Gaps:	0

US-09-698-781-17 (1-9) x US-09-818-512-3 (1-116592)

OY 1 ThrLeupheProvaIIeuLeupheIeu 9

Db 92452 ACCTATTCCCAAGTCTCAATATTCCTC 92478

Search completed: March 14, 2003, 05:30:38
Job time : 27.9213 secs